

SCORE Search Results Details for Application 10529592 and Search Result 20090516_085922_us-10-529-592a-1.rnpbn.

Score Home	Retrieve Application	SCORE System	SCORE	Comments /
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This page gives you Search Results detail for the Application 10529592 and Search Result 20090516_085922_us-10-529-592a-1.rnpbn.

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OM nucleic - nucleic search, using sw model

Run on: May 19, 2009, 21:10:26 ; Search time 256 Seconds
(without alignments)
3826.801 Million cell updates/sec

Title: US-10-529-592A-1
Perfect score: 881
Sequence: 1 gggccatgacccccgctgct.....aaataaagatcctctgtaac 881

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1339906 seqs, 555993767 residues

Total number of hits satisfying chosen parameters: 2679812

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA_New:*
1: /ABSS/Data/CRF/ptodata/1/pubpna/US09_NEW_PUB.seq:*
2: /ABSS/Data/CRF/ptodata/1/pubpna/US10_NEW_PUB.seq:*
3: /ABSS/Data/CRF/ptodata/1/pubpna/US11_NEW_PUB.seq:*
4: /ABSS/Data/CRF/ptodata/1/pubpna/US12_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

%

Result	Query						Description
	No.	Score	Match	Length	DB	ID	
c	1	45.6	5.2	839	2	US-10-425-115-144491	Sequence 144491,
	2	44	5.0	975	4	US-12-169-527-2483	Sequence 2483, Ap
	3	43.8	5.0	363	2	US-10-425-115-139685	Sequence 139685,
	4	42.8	4.9	667	1	US-09-684-016-184927	Sequence 184927,
	5	42.6	4.8	1857	4	US-12-169-527-5220	Sequence 5220, Ap
	6	42.4	4.8	576	2	US-10-425-115-176269	Sequence 176269,
	7	42.2	4.8	1230	4	US-12-286-964-7163	Sequence 7163, Ap
c	8	41.8	4.7	932	4	US-12-169-527-5307	Sequence 5307, Ap
	9	41.4	4.7	1016	2	US-10-425-115-76543	Sequence 76543, A
c	10	41.4	4.7	9314	4	US-12-156-531-13	Sequence 13, Appl
	11	41.2	4.7	1399	4	US-12-064-797A-8050	Sequence 8050, Ap
c	12	40.8	4.6	672	4	US-12-286-964-15136	Sequence 15136, A
c	13	40.6	4.6	471	1	US-09-684-016-453428	Sequence 453428,
c	14	40.6	4.6	663	2	US-10-425-115-98904	Sequence 98904, A
	15	40.4	4.6	373	3	US-11-974-469A-4265	Sequence 4265, Ap
	16	40.4	4.6	445	1	US-09-684-016-455702	Sequence 455702,
	17	40.4	4.6	933	4	US-12-286-964-4279	Sequence 4279, Ap
	18	40.4	4.6	1340	2	US-10-425-115-17070	Sequence 17070, A
	19	40.4	4.6	1768	2	US-10-425-115-111649	Sequence 111649,
	20	40.4	4.6	6262	4	US-12-116-815-556	Sequence 556, App
	21	40.4	4.6	6276	3	US-11-991-351-75	Sequence 75, Appl
	22	40.2	4.6	428	1	US-09-684-016-172490	Sequence 172490,
	23	40.2	4.6	3000	4	US-12-286-964-21616	Sequence 21616, A
c	24	40	4.5	376	1	US-09-684-016-283041	Sequence 283041,
c	25	40	4.5	508	1	US-09-684-016-259492	Sequence 259492,
c	26	40	4.5	865	2	US-10-425-115-179331	Sequence 179331,
	27	40	4.5	889	1	US-09-684-016-263475	Sequence 263475,
c	28	40	4.5	1194	3	US-11-988-790-15	Sequence 15, Appl
c	29	39.8	4.5	521	1	US-09-684-016-186132	Sequence 186132,
	30	39.8	4.5	590	2	US-10-425-115-11173	Sequence 11173, A
	31	39.8	4.5	1694	3	US-11-980-276A-2536	Sequence 2536, Ap
	32	39.8	4.5	2486	2	US-10-425-115-131502	Sequence 131502,
c	33	39.6	4.5	358	1	US-09-684-016-334885	Sequence 334885,
	34	39.6	4.5	594	2	US-10-425-115-133507	Sequence 133507,
c	35	39.6	4.5	3324	3	US-11-911-617-161	Sequence 161, App
c	36	39.4	4.5	454	2	US-10-425-115-134112	Sequence 134112,
c	37	39.4	4.5	496	1	US-09-684-016-394236	Sequence 394236,
	38	39.2	4.4	451	1	US-09-684-016-184373	Sequence 184373,
	39	39.2	4.4	463	2	US-10-425-115-118884	Sequence 118884,
	40	39.2	4.4	1800	2	US-10-425-115-138850	Sequence 138850,
	41	39.2	4.4	2366	2	US-10-425-115-138853	Sequence 138853,
	42	39	4.4	374	1	US-09-684-016-460569	Sequence 460569,
	43	39	4.4	411	1	US-09-684-016-405405	Sequence 405405,
c	44	39	4.4	438	1	US-09-684-016-437981	Sequence 437981,
	45	39	4.4	1335	2	US-10-425-115-18329	Sequence 18329, A

ALIGNMENTS

RESULT 1

US-10-425-115-144491/c
; Sequence 144491, Application US/10425115
; Publication No. US20090087878A9
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 144491
; LENGTH: 839
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_6325C.1
US-10-425-115-144491

Query Match		5.2%;	Score 45.6;	DB 2;	Length 839;
Best Local Similarity		50.5%;	Pred. No. 0.056;		
Matches 111;		Conservative 0;	Mismatches 109;	Indels 0;	Gaps 0;
Qy	40	CCGCGGCCCCCGAGCCCGACCGCCGCGCCACCACCACCAGCGCCCGGGCGGGCCTCGC	99		
Db	248	CGGCGACGCCCCGGAAGCTGCACGTGGCCGCGAGCCGCTGAGGCGGGTGCCGCCGGACTCCT	189		
Qy	100	GCGCCTCGGGCGCGGCTCCGCA GTGAGCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCC	159		
Db	188	GCTCCAGCTGATGAGCCCAATGTCTGTCGACAAGCAGATCCCTGCTCGGACAGGTGTC	129		
Qy	160	GACATGGGGCTTAAGATGTCTTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGC	219		
Db	128	GTCATCACCATCCTCGGCGGTGGCCTGCACGACAGTCGCGCTGTCTGGTGGCAGCAGCAGG	69		
Qy	220	AGCAGCCACGACGAGGCCCCCGTCCTGAACGACAAGCACC	259		
Db	68	AGCTGCAACGACGACGGCCGCACCGTGACCTTGCTGGACC	29		

RESULT 2

US-12-169-527-2483
; Sequence 2483, Application US/12169527
; Publication No. US20090049566A1
; GENERAL INFORMATION
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT:ZHANG, James
; APPLICANT:HEMPEL, Frederick D
; APPLICANT:ADAM, Luc

; APPLICANT:PALYS, Joseph M
; TITLE OF INVENTION: IMPROVEMENT OF PLANT QUALITY WITH VARIOUS PROMOTERS
; FILE REFERENCE: MBI-0070-2CIP
; CURRENT APPLICATION NUMBER: US/12/169,527
; CURRENT FILING DATE: 2008-07-08
; NUMBER OF SEQ ID NOS: 10667
; SOFTWARE: PatentIn version 3.5
; SEQ ID NO 2483
; LENGTH: 975
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: G4640,family:MYB-(R1)R2R3
US-12-169-527-2483

Query Match 5.0%; Score 44; DB 4; Length 975;
Best Local Similarity 47.9%; Pred. No. 0.14;
Matches 158; Conservative 0; Mismatches 170; Indels 2; Gaps 1;

Qy	13	CCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCGCCAC	72
Db	540	CCGCGGCATCGACCCGCAGACGCACCGCCCGCTCAGCGGCGGCGCGGGCAGCGCGCTCAC	599
Qy	73	CACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACC	132
Db	600	CACCACGTCCAGCACCGCCGGCTTCCCGTCCCCCGCGCCGGCGTCCAGGTCCAGGCCAC	659
Qy	133	AAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGC	192
Db	660	GCCCACGCCCCCGCC--CACCGTCGTCGTCCCGCCCAATGCGATCTTCGTGCGCCCGGCG	717
Qy	193	TTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACGAC	252
Db	718	CCGTCGGAGGACGGCCACAGCAGCAGCGGCGCGAGCACGGACGCGCCGCGCTGCCCCGAC	777
Qy	253	AAGCACCTGGACGTGCCCACATCATCATCACGCCCCCACCCCCACGGGCATGATGCTG	312
Db	778	CTCAACCTGGACCTGGACCTGTCCGTGGGCCCCGCCCAAGACGCCGGCGGCCACGCAG	837
Qy	313	CCGAGGGACTTGGGGAGCACAGTCTGGCTG	342
Db	838	CAGCAGCGGCGGCGGACGACCATCTGCCTG	867

RESULT 3
US-10-425-115-139685
; Sequence 139685, Application US/10425115
; Publication No. US20090087878A9
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 139685
; LENGTH: 363
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_5887C.1
US-10-425-115-139685

Query Match 5.0%; Score 43.8; DB 2; Length 363;
Best Local Similarity 45.9%; Pred. No. 0.15;
Matches 150; Conservative 0; Mismatches 177; Indels 0; Gaps 0;

Qy 10 CCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCGC 69
|| || | | || | | || | | || || | | || || |
Db 37 CTCCTCCTCCTCCTCCTCCCAGATCCGCCTCCCCGCCCCGCCCCAGATCCCCACGCA 96

Qy 70 CACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCC 129
| | | |||| | || | | | || | | | || || ||
Db 97 GGCGAGCGAACGCGCGCGCGCAGGCCAGATCCGCCCCGCCGCCCGCCGGAGCAGCCA 156

Qy 130 ACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAA 189
||| | | | |||| | | | | |||| | | || || | |
Db 157 TCCATGGCGAAGGAGGCCGGCGGCGAGGGGGCCATGTCGGAGCCGGTGCTGCGCAAGGAG 216

Qy 190 GGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAAC 249
| | || | | | | | | | || | | || | | || || ||
Db 217 CTCGTCTCCTACTGCTACGTCGCGGAGTGATCTTCCTCTCCTTCACCGTCATCGTCTAC 276

Qy 250 GACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCCCACCCCCACGGGCATGATG 309
|||| | | | || || | | || | || | | | || || ||
Db 277 AACAAGTACATCCTCGACCCCAAGATGTACAAGTGGCCCTTCCCCATCTCGCTCACCATG 336

Qy 310 CTGCCGAGGGACTTGGGGAGCACAGTC 336
||| | || || | | || ||
Db 337 GTGCACATGGCCTTCTGCTCCTCCCTC 363

RESULT 4
US-09-684-016-184927
; Sequence 184927, Application US/09684016
; Publication No. US20090093620A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/684,016

; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 184927
; LENGTH: 667
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana columbia
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(667)
; OTHER INFORMATION: unsure at all n locations
US-09-684-016-184927

Query Match 4.9%; Score 42.8; DB 1; Length 667;
Best Local Similarity 60.2%; Pred. No. 0.27;
Matches 71; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

Qy 3 GCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCG 62
||| ||| ||| || | | || ||| || | ||||| ||| ||
Db 450 GCCCCCGCCACGCCGCACCCCCCGCCGCGCCGCGCGGCCCCCCCCCCCCACCCC 509

Qy 63 CCGCCGCCACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC 120
|| || || || || || || || || | || ||| || | || | || |
Db 510 CCTCCCCCCCCCCCCCCCCGCCCCCCCCCCCCCCCGCCCCCCCCCGCCCCCCCCCCC 567

RESULT 5
US-12-169-527-5220
; Sequence 5220, Application US/12169527
; Publication No. US20090049566A1
; GENERAL INFORMATION
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT:ZHANG, James
; APPLICANT:HEMPEL, Frederick D
; APPLICANT:ADAM, Luc
; APPLICANT:PALYS, Joseph M
; TITLE OF INVENTION: IMPROVEMENT OF PLANT QUALITY WITH VARIOUS PROMOTERS
; FILE REFERENCE: MBI-0070-2CIP
; CURRENT APPLICATION NUMBER: US/12/169,527
; CURRENT FILING DATE: 2008-07-08
; NUMBER OF SEQ ID NOS: 10667
; SOFTWARE: PatentIn version 3.5
; SEQ ID NO 5220
; LENGTH: 1857
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Predicted polypeptide sequence is orthologous to G274
US-12-169-527-5220

Query Match 4.8%; Score 42.6; DB 4; Length 1857;
Best Local Similarity 47.5%; Pred. No. 0.31;

Matches	126;	Conservative	0;	Mismatches	139;	Indels	0;	Gaps	0;
Qy	39	GCCGCGGCCCCCGAGCCCGACCGCCGCCGCCACCACCAGCGCCCGGGCGGGCCTCG	98						
Db	357	GCACTGCCCCCGCCGGCCGAGCGGCGGCGGTGCCTCGTCCCGGCGCCGCGGGGCTACCG	416						
Qy	99	CGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGC	158						
Db	417	CGCGCCGCTCCGGTGGCCGCGGAGCCGCGACGCGGCGTGGTACGCGAACGCGCCGCACGA	476						
Qy	159	CGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAG	218						
Db	477	GGAGCTGGTGACGGAGAAGGGCGTGCAGAACTGGATCAGGCGGGACGGCGACGTGCTCCG	536						
Qy	219	CAGCAGCCACGACGAGGCCCGCTCCTGAACGACAAGCACCTGGACGTGCCCCACATCAT	278						
Db	537	CTTCCCCGGCGGCGGGACCATGTTCCCGCACGGCGCCGACCGGTACATCGACGACATCGC	596						
Qy	279	CATCACGCCCCCCCACCCCCACGGGC	303						
Db	597	CGCGGCGGCCGGCATCACGCTGGGC	621						

RESULT 6
US-10-425-115-176269
; Sequence 176269, Application US/10425115
; Publication No. US20090087878A9
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 176269
; LENGTH: 576
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(576)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_92350C.1
US-10-425-115-176269

Query Match	4.8%;	Score	42.4;	DB	2;	Length	576;
Best Local Similarity	46.5%;	Pred. No.	0.34;				
Matches	133;	Conservative	0;	Mismatches	153;	Indels	0;
				Gaps			0;

Qy	32	GCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCACCACCACCAGCGCCCGGGCG	91
Db	189	GCTCGCTGCGCGGAGCCCCAACCTCAACCTGCCCTGCCCGCTGCCGCCGTCCCGGGCG	248
Qy	92	GGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAGCGGCCTGCA	151
Db	249	GGCCGCCTGCGCCGTCGGCCGCCGGGTTGCCCCGCCGCGCGCGAGTCACCACCGCCGCG	308
Qy	152	GAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCA	211
Db	309	CCAGATCTGAGGTGGCCTTTCGTTCTCGGACGACCTGGCCGGCGGCGTGCGGCGGCGGCT	368
Qy	212	GCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCCG	271
Db	369	TCGACGAGATCGGCTCCGAGGACGACCTCTTCTCCACCTTCATGGACATGGACAAGATCG	428
Qy	272	ACATCATCATCACGCCCCCACCACCGGGCATGATGCTGCCGAG	317
Db	429	CCGGCGCCGACCGCGACCGTACCGNCGAGACCTCCTCGCCGNCGCG	474

RESULT 7
US-12-286-964-7163
; Sequence 7163, Application US/12286964
; Publication No. US20090094717A1
; GENERAL INFORMATION
; APPLICANT: Maxim Troukhan
; APPLICANT: Peter Mascia
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND CORRESPONDING POLYPEPTIDES CONFERRING
; TITLE OF INVENTION: MODULATED PLANT CHARACTERISTICS
; FILE REFERENCE: 2750-1716PUS2
; CURRENT APPLICATION NUMBER: US/12/286,964
; CURRENT FILING DATE: 2008-12-01
; PRIOR FILING DATE:
; PRIOR APPLICATION NUMBER: 60/997,507
; PRIOR FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 21783
; SEQ ID NO 7163
; LENGTH: 1230
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Ceres ANNOT ID no. 6074749
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Encodes the peptide sequence at SEQ ID NO 7164
US-12-286-964-7163

Query Match 4.8%; Score 42.2; DB 4; Length 1230;
Best Local Similarity 54.1%; Pred. No. 0.39;
Matches 86; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

Qy	2	GGCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCCGGGCCCCCGAGCCCGACC	61
Db	156	GGCCCTGACCCCCGCCGCCGAGGCTGCCGCGCCACCGCCTCGGCGGCCGTCTCGCCGCC	215
Qy	62	GCCGCCGCCACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCA	121
Db	216	GGCTCCAGCTCCAGCGCCGGCGCCGGCGGAGGCCAACGGCACCTCCGACAGGAAGAGGAG	275
Qy	122	GTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCG	160
Db	276	GAGGAAGGCGGAGGACGGGGACGGGTGCAAGACCTGCAG	314

RESULT 8
US-12-169-527-5307/c
; Sequence 5307, Application US/12169527
; Publication No. US20090049566A1
; GENERAL INFORMATION
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT:ZHANG, James
; APPLICANT:HEMPEL, Frederick D
; APPLICANT:ADAM, Luc
; APPLICANT:PALYS, Joseph M
; TITLE OF INVENTION: IMPROVEMENT OF PLANT QUALITY WITH VARIOUS PROMOTERS
; FILE REFERENCE: MBI-0070-2CIP
; CURRENT APPLICATION NUMBER: US/12/169,527
; CURRENT FILING DATE: 2008-07-08
; NUMBER OF SEQ ID NOS: 10667
; SOFTWARE: PatentIn version 3.5
; SEQ ID NO 5307
; LENGTH: 932
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Predicted polypeptide sequence is orthologous to G354
US-12-169-527-5307

Query Match 4.7%; Score 41.8; DB 4; Length 932;
Best Local Similarity 46.7%; Pred. No. 0.49;
Matches 133; Conservative 0; Mismatches 152; Indels 0; Gaps 0;

Qy	213	CAGCAGCAGCAGCCACGACGAGGCCCGTCCTGAACGACAAGCACCTGGACGTGCCCGA	272
Db	560	CGGCGGCGGCGGCGGCGGCCGCGGCCTTCTTCTTGCCGCCGTCGTCGTCGCTCTGCCCGA	501
Qy	273	CATCATCATCACGCCCCCACCCCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCAC	332
Db	500	CGACGCCGATGCCGAGGCCGAGGCTGAGGCCAAGCCCGAGGCCGTCCGCCATGACGGCGC	441
Qy	333	AGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTG	392
Db	440	GGTGGCGCCGCATGTGCCCTCCGAGCGCCTGGCCGACGGCGAACTCGAGCCCGCAGATGG	381

Qy 393 AGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCC 452
|| | || | | ||| ||| || | ||| || | || |
Db 380 AGCACCCGTGCACCTTGGGCTTGGCCGGCGCCTCGGCGGCCGGGTCGCCGTCCGCCAGGC 321

Qy 453 GGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGG 497
|||| || |||| | | | | ||||| ||
Db 320 GGGGCTTCTTGTGGCTGGCCCGGTGGCCGCCGAGCGCCTGGAAGG 276

RESULT 9
US-10-425-115-76543
; Sequence 76543, Application US/10425115
; Publication No. US20090087878A9
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 76543
; LENGTH: 1016
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_169834C.1
US-10-425-115-76543

Query Match 4.7%; Score 41.4; DB 2; Length 1016;
Best Local Similarity 45.7%; Pred. No. 0.61;
Matches 144; Conservative 0; Mismatches 171; Indels 0; Gaps 0;

Qy 34 TCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCACCACCAGCGCCCGGGCGGG 93
|| | || ||| | ||| | ||| ||| ||| ||| |||
Db 137 TCCACCACCCTCTCCTCCGCCTTACCCCTCCTCTCCCGCCCCCTCCACCTCCCCGTGCCCC 196

Qy 94 CCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCACCAAGAAGGAAGCGGCCTGCAGA 153
| | ||| | | | || | | |||| || | | ||
Db 197 GCCGCCTCGCTCCCGAGGTCTTCCACGCCGCGCCCCACATCCGCCGGGGCCGCCGCCGCC 256

Qy 154 GGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGC 213
| |||| | | | | || || | | | | | |||
Db 257 GTCGCCGTCGCTGCACCGCCACCGAGTCCCCAAGATCCTGGAGCTCGGGGACGCCATC 316

Qy 214 AGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCGAC 273
| | || | ||| ||||| | ||| |||| | | ||| || |||
Db 317 GCCGGGCTCACGCTCGAGGAGGCCCGCAGCCTCGTCGACCACCTCCAGGAGCGGCTCGGC 376

Qy 274 ATCATCATCACGCCCCCACCCCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCACA 333
||| | | || || | | || | | | | | | || | || ||
Db 377 GTCACCGCCGCGGCCTTCGCGCCGGCCCGCGTCGTCGCGGCGCCCGGGGCGGGCGGCGGG 436

Qy 334 GTCTGGCTGGATGAG 348
| | | || |||
Db 437 GCCGCGGCCGAGGAG 451

RESULT 10
US-12-156-531-13/c
; Sequence 13, Application US/12156531
; Publication No. US20090042297A1
; GENERAL INFORMATION
; APPLICANT: GEORGE, JR., Alfred L.
; APPLICANT:WILSON, Matthew H.
; TITLE OF INVENTION: PIGGYBAC TRANSPOSON-BASED VECTORS AND
; TITLE OF INVENTION:METHODS OF NUCLEIC ACID INTEGRATION
; FILE REFERENCE: 22000.0158U2
; CURRENT APPLICATION NUMBER: US/12/156,531
; CURRENT FILING DATE: 2008-06-09
; PRIOR APPLICATION NUMBER: 60/932,726
; PRIOR FILING DATE: 2007-06-01
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 9314
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; Note =
; OTHER INFORMATION:synthetic construct
US-12-156-531-13

Query Match 4.7%; Score 41.4; DB 4; Length 9314;
Best Local Similarity 58.5%; Pred. No. 0.64;
Matches 72; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

Qy 11 CCCCCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCGCC 70
|| ||| ||| | || | | ||| ||| ||| |||| ||| | || ||
Db 4497 CCGCGCCCCCTCCCCGAGCCCTCCCCGGCCCCGAGGCGGCCCCGCCCCGCCCGGCACCCCC 4438

Qy 71 ACCACCACCAGCGCCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCGAGTGAGCCCA 130
||| | | | ||| | | ||| ||| ||| || || ||| | |||||
Db 4437 ACCTGCCGCCACCCCCGCCCCGGCACGGCGAGCCCCGCGCCACGCCCCGTACGGAGCCCC 4378

Qy 131 CCA 133
||
Db 4377 GCA 4375

RESULT 11
US-12-064-797A-8050

; Sequence 8050, Application US/12064797A
; Publication No. US20090081658A1
; GENERAL INFORMATION
; APPLICANT: BELOUCHI, Abdelmajid
; APPLICANT:RAELSON, John Verner
; APPLICANT:BARDLEY, Walter Edward
; APPLICANT:PAQUIN, Bruno
; APPLICANT:FOURNIER, Helene
; APPLICANT:NGUYEN-HUU, Quynh
; APPLICANT:CROTEAU, Pascal
; APPLICANT:ALLARD, Rene
; APPLICANT:DEBRUS, Sophie
; APPLICANT:SERRE, Valerie
; APPLICANT:VAN EERDEWEGH, Paul
; APPLICANT:LITTLE, Randall David
; APPLICANT:KEITH, Tim
; APPLICANT:SEGAL, Jonathan
; TITLE OF INVENTION: GeneMap of the human genes associated with Crohn's disease
; FILE REFERENCE: 16540
; CURRENT APPLICATION NUMBER: US/12/064,797A
; CURRENT FILING DATE: 2008-10-06
; PRIOR APPLICATION NUMBER: PCT/US06/33148
; PRIOR FILING DATE: 2006-08-24
; PRIOR APPLICATION NUMBER: 60/710,726
; PRIOR FILING DATE: 2005-08-24
; NUMBER OF SEQ ID NOS: 16984
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 8050
; LENGTH: 1399
; TYPE: DNA
; ORGANISM: Homo sapiens
US-12-064-797A-8050

Query Match 4.7%; Score 41.2; DB 4; Length 1399;
Best Local Similarity 49.3%; Pred. No. 0.69;
Matches 135; Conservative 0; Mismatches 138; Indels 1; Gaps 1;

Qy	9	ACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCG	68
Db	229	ACTGCCCAACTCGGGCGCCAACGCCACGGCCAACGGCACCGCCGCCCGCCCGCCGCCG	288
Qy	69	CCACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGG-GCGCGGCTCCGCAGTGAGC	127
Db	289	CCGCCGCCGCCACCGCCTCGGGGAACGGCCCCCCTGGCGGCGCGCTCTACAGCTGGGAGA	348
Qy	128	CCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGA	187
Db	349	CCGGCGACGACCGCTTCTCTTCAGGAATTTCCACACCGGCATCTGGTACTCGTGCGAGG	408
Qy	188	AAGGCTTTCAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGA	247
Db	409	AGGAGCTCAGCGGGCTTGGTGAAAAATGTCGCAGCTTCATTGACCTGGCCCCGGCATCGG	468

Qy 248 ACGACAAGCACCTGGACGTGCCCCGACATCATCAT 281
| | | | | | | | | | | | | | | |
Db 469 AGAAAGGCCTCCTGGGAATGGTCGCCCACATGAT 502

RESULT 12

US-12-286-964-15136/c
; Sequence 15136, Application US/12286964
; Publication No. US20090094717A1
; GENERAL INFORMATION
; APPLICANT: Maxim Troukhan
; APPLICANT: Peter Mascia
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND CORRESPONDING POLYPEPTIDES CONFERRING
; TITLE OF INVENTION: MODULATED PLANT CHARACTERISTICS
; FILE REFERENCE: 2750-1716PUS2
; CURRENT APPLICATION NUMBER: US/12/286,964
; CURRENT FILING DATE: 2008-12-01
; PRIOR FILING DATE:
; PRIOR APPLICATION NUMBER: 60/997,507
; PRIOR FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 21783
; SEQ ID NO 15136
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Ceres ANNOT ID no. 8635017
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Encodes the peptide sequence at SEQ ID NO 15137
US-12-286-964-15136

Query Match 4.6%; Score 40.8; DB 4; Length 672;
Best Local Similarity 55.7%; Pred. No. 0.86;
Matches 78; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

Qy 23 GTCTTGCAGGCTCGTCGCCGCGCCCCCGAGCCCGACCGCCGCCACCACCACCAGC 82
| | | | | | | | | | | | | | | |
Db 191 GTGTTCCAGTCCCTGCGCTTCTGCGACTCGTACCGGCTCGGCGACGCCAGCGCCGACACC 132

Qy 83 GCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAG 142
| | | | | | | | | | | | | | | |
Db 131 GCGCCCGCGGACGACGCCCCCGCGGCGACAGCGCCCCGGACACCGATCCCACGCCGCCG 72

Qy 143 CGGCCTGCAGAGGTGCCGAC 162
| | | | | | | | | |
Db 71 CCACCGCCACCGCCGCCGAC 52

RESULT 13

US-09-684-016-453428/c
; Sequence 453428, Application US/09684016

; Publication No. US20090093620A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/684,016
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 453428
; LENGTH: 471
; TYPE: DNA
; ORGANISM: Sorghum bicolor
US-09-684-016-453428

Query Match 4.6%; Score 40.6; DB 1; Length 471;
Best Local Similarity 57.5%; Pred. No. 0.95;
Matches 73; Conservative 0; Mismatches 54; Indels 0; Gaps 0;

Qy 17 TGCTCTGTCTTG CAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCGCCACCACC 76
| ||| | | | ||| || ||||| | | || ||| | | | | |||| |||||
Db 344 TCCTCCGCCGTCTCGGCGCGCCGCCGCGCCGCGCCAGCTCTAGCCGCAGCGCCTCCACC 285

Qy 77 ACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCAACCAAGA 136
|| || || | | | || |||| | || || | || || | | || |
Db 284 TCCCGCTCCAGCTCCGCGTTCTCCGCCGAGGAGCTCCGCCTCATCATCCACTACAGCA 225

Qy 137 AGGAAGC 143
|| ||
Db 224 CCGACGC 218

RESULT 14
US-10-425-115-98904/c
; Sequence 98904, Application US/10425115
; Publication No. US20090087878A9
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 98904
; LENGTH: 663
; TYPE: DNA
; ORGANISM: Zea mays

; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_21713C.1
US-10-425-115-98904

Query Match 4.6%; Score 40.6; DB 2; Length 663;
Best Local Similarity 57.5%; Pred. No. 0.96;
Matches 73; Conservative 0; Mismatches 54; Indels 0; Gaps 0;

Qy 43 CGGCCCCCGAGCCCGACCGCCGCCACCACCAGCGCCCGGGCGGGCCTCGCGCG 102
|| | || || | || ||||| ||||| | || ||||| | | | || ||
Db 564 CGCCGCCGCGGCCGCGGCCGCCGCCGCTGCGCCTCCAGCGGCGAGAAGCCCCAGGCCTC 505

Qy 103 CCTCGGGCGCGGCTCCGCGAGTGAGCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGAC 162
| | | ||||| |||| | ||| | | | | | || || | ||| |
Db 504 CGTGGCCCGCGGCGCCGCCGGCAGCGCGGCCCAGAACACGGACCCCGCGGCGTTCGCTTC 445

Qy 163 ATGGGGC 169
| | ||
Db 444 CTCGCGC 438

RESULT 15

US-11-974-469A-4265
; Sequence 4265, Application US/11974469A
; Publication No. US20090070898A1
; GENERAL INFORMATION
; APPLICANT: Allen, Edwards
; APPLICANT:Goldman, Barry S.
; APPLICANT:Guo, Liang
; APPLICANT:Heisel, Sara E.
; APPLICANT:Huang, Shihshieh
; APPLICANT:Ivashuta, Sergey I.
; APPLICANT:Kovalic, David K.
; APPLICANT:Krieger, Elysia K.
; APPLICANT:Roberts, James K.
; APPLICANT:Zhang, Yuanji I.
; TITLE OF INVENTION: Plant MicroRNAs and Methods of Use Thereof
; FILE REFERENCE: 38-21(54769)D
; CURRENT APPLICATION NUMBER: US/11/974,469A
; CURRENT FILING DATE: 2007-10-12
; PRIOR APPLICATION NUMBER: 60/851,187
; PRIOR FILING DATE: 2006-10-12
; PRIOR APPLICATION NUMBER: 60/908,826
; PRIOR FILING DATE: 2007-03-29
; PRIOR APPLICATION NUMBER: 60/969,195
; PRIOR FILING DATE: 2007-08-31
; NUMBER OF SEQ ID NOS: 8852
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4265
; LENGTH: 373
; TYPE: RNA
; ORGANISM: Zea mays
US-11-974-469A-4265

Query Match 4.6%; Score 40.4; DB 3; Length 373;
Best Local Similarity 62.2%; Pred. No. 1.1;
Matches 61; Conservative 1; Mismatches 36; Indels 0; Gaps 0;

```
Qy      32 GCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCACCACCACCAGCGCCCGGGCG 91
      || || | || | | || | | |||| |||| | || | || || | ||
Db      198 GCGCGGAGGCGGGUGGCGGCGGGGCGGACCGACGCCGACGCCGCGCCGGCGCCGCC 257

Qy      92 GGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCC 129
      ||| |||| | |||| | || |||| :| || |
Db      258 GGCGCCGCGCCGCACGGGGAGAGCCCCGCACUGCGCAC 295
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Search completed: May 19, 2009, 21:14:43
Job time : 257 secs

SCORE 3.0